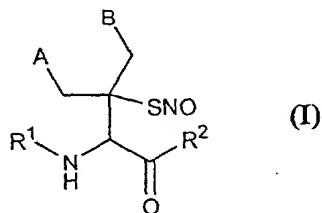


ABSTRACT

Novel S-nitrosothiols derivatives of penicillamine or glutathione, which correspond to following general
5 formula(I)



in which:

A and B are phenyl groups or together form the rest
-CH₂-Q-CH₂- constituting a ring of six units in which
10 Q represents an atom of oxygen, of sulfur, or a
group N-R³, in which R³ is hydrogen or an alkyl group
C₁-C₄;

R¹ is an acyl rest, which may be an aliphatic acyl
group C₁-C₅ or a rest of glutamic acid bound via its
non amino acid carboxyl;

15 R² is a hydroxyl group or a glycine rest bound via a
peptide bond;

with the proviso that if R¹ is an aliphatic acyl rest
then R² is a hydroxyl group, and if R¹ is a rest of glu-
tamic acid then R² is a glycine rest.

20 The novel compounds have vasodilating activity
and inhibit the aggregation of the platelets, which make
them useful for the treatment of dysfunctions of the cir-
culatory system, specially at cardiovascular level.